



PATENT APPLICATION

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of

Sung-joo KIM

Appln. No.: 09/854,934

Confirmation No.: 7945

Filed: May 15, 2001

For: METHOD AND APPARATUS FOR HYBRID-TYPE HIGH SPEED MOTION  
ESTIMATION

Docket No: Q63985

Group Art Unit: 2625

Examiner: Kanjibhai B. PATEL

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STATEMENT UNDER 37 C.F.R. § 1.97(e)

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

The undersigned hereby states, upon information and belief:

That each item of information contained in the Information Disclosure Statement filed  
concurrently herewith was first cited in any communication from a foreign patent office in a  
counterpart foreign application not more than three months prior to the filing of said Information  
Disclosure Statement.

Respectfully submitted,

Kevin M. Barner  
Registration No. 46,075

SUGHRUE MION, PLLC  
Telephone: (202) 293-7060  
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WASHINGTON OFFICE

23373

CUSTOMER NUMBER

Date: November 10, 2004



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**INFORMATION DISCLOSURE STATEMENT**  
**UNDER 37 C.F.R. §§ 1.97**

Commissioner for Patents  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

In accordance with the duty of disclosure under 37 C.F.R. § 1.56, Applicant hereby notifies the U.S. Patent and Trademark Office of the documents which are listed on the attached PTO/SB/08 A & B (modified) form and/or listed herein and which the Examiner may deem material to patentability of the claims of the above-identified application. One copy of each of the listed documents is submitted herewith, except for the following: U.S. patents and/or U.S. patent publications if this application was filed after June 30, 2003; and co-pending non-provisional U.S. applications filed after June 30, 2003.

The present Information Disclosure Statement is being filed after the later of three months from the application's filing date and the mailing date of the first Office Action on the merits, but before a Final Office Action, Notice of Allowance, or an action that otherwise closes prosecution in the application (whichever is earlier), and therefore Applicant is filing

INFORMATION DISCLOSURE STATEMENT  
U.S. Appln. No.: 09/854,934

concurrently herewith a Statement Under 37 C.F.R. § 1.97(e). No fee under 37 C.F.R. § 1.17(p) is required.

Applicant is enclosing herewith an English language abstract of the foreign language document.

The submission of the listed documents is not intended as an admission that any such document constitutes prior art against the claims of the present application. Applicant does not waive any right to take any action that would be appropriate to antedate or otherwise remove any listed document as a competent reference against the claims of the present application.

The USPTO is directed and authorized to charge all required fees, except for the Issue Fee and the Publication Fee, to Deposit Account No. 19-4880. Please also credit any overpayments to said Deposit Account. A duplicate copy of this paper is attached.

Respectfully submitted,



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Substitute for Form 1449 A &amp; B/PTO

Complete if Known

Application Number	09/854,934
Confirmation Number	7945
Filing Date	May 15, 2000
First Named Inventor	Sung-joo KIM
Art Unit	2625
Examiner Name	Kanjibhai B. PATEL
Attorney Docket Number	Q63985 Tc

# **INFORMATION DISCLOSURE STATEMENT BY APPLICANT**

Use as many sheets as necessary)

Sheet 1 of 1

## **U.S. PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Document Number		Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document
		Number	Kind Code <sup>2</sup> (if known)		
		US			
		US			
		US			
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		US			
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## **FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document			Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Translation <sup>6</sup>
		Country Code <sup>3</sup>	Number <sup>4</sup>	Kind Code <sup>5</sup> (if known)			
		JP	10-33662		12-18-1998	IBM CORP	Abstract

## **NON PATENT LITERATURE DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city, and/or country where published.	Translation <sup>6</sup>
		Chok-Kwon CHEUNG, et al., "HYBRID SEARCH ALGORITHM FOR BLOCK MOTION ESTIMATION", Proceedings of the 1998 II Symposium on Circuits and Systems, May 3,-June 3, 1998, pp. 297-300, vol. 4, XP010289443.	
		Choon-Hoon LEE, et al., "A NEW BLOCK-MATCHING ALGORITHM BASED ON AN ADAPTIVE SEARCH AREA ADJUSTMENT USING SPATIO-TEMPORAL CORRELATION", 1999 Digest of Technical Papers: International Conference on Consumer Electronics, June 22-24, 1999, pp. 362-363, vol. 18, XP010346596.	
		Ismaeil ISMAEIL, et al., "EFFICIENT MOTION ESTIMATION USING SPATIAL AND TEMPORAL MOTION VECTOR PREDICTION", Proceedings: 1999 International Conference on Image Processing, October 24-28, 1999, pp. 70-74, XP010369195.	

Examiner Signature

Date Considered

\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kind Codes of USPTO Patent Documents at www.uspto.gov, MPEP 901.04 or in the comment box of this document. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. <sup>6</sup> Applicant is to indicate here if English language Translation is attached.